

US 6,286,780 B1

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results are not erased when reset, so that the device can be restarted correctly.

What is claimed is:

1. A roll sheet assembly for use with a drug packaging device including a sheet feed unit comprising a fixed shaft, a first rotary shaft rotatably mounted around the fixed shaft and carrying said roll of sheet material, a first brake means for applying a braking force to the first rotary shaft, and feed rollers for feeding the sheet material from said roll, a second brake means for producing a constant braking force between the first rotary shaft and said roll of sheet material, a packaging unit comprising a triangular plate for folding the sheet material in half so as to form a valley in the sheet material, a hopper for dropping drugs into the valley formed in the sheet, and heating rollers for heat-sealing the sheet material in a width direction at predetermined intervals and along top edges thereof to form a plurality of bags with the drugs sealed therein,

the sheet feed unit further comprising a sheet length sensor for measuring a feed length of the sheet in a sheet feed path leading to the packaging unit, a first angle sensor for detecting a rotation angle of said roll

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of sheet material, and a control unit for calculating a current sheet length on said roll of sheet material and the diameter of said roll of sheet material based on the sheet length measured by the sheet length sensor and the rotation angle measured by the angle sensor, and controlling a direct-current voltage applied to the first brake means,

said roll sheet assembly comprising a cylindrical second rotary shaft having a cylindrical outer periphery and a cylindrical inner periphery, sheet material wound on said cylindrical outer periphery of said second rotary shaft, and at least one magnet provided on said cylindrical inner periphery of said second rotary shaft.

2. The roll sheet assembly as claimed in claim 1, wherein said at least one magnet comprises four magnets circumferentially spaced at equal intervals.

3. The roll sheet assembly as claimed in claim 1, wherein said magnet is detachably mounted on said inner cylindrical periphery of said second rotary shaft.

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